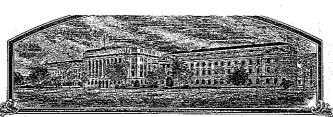
No.



200300093

THE UNIVERD STAYLES OF ANTERIOA

TO ALL TO WHOM THESE PRESENTS; SHALL COME:

Pioneer Hi-Bred International, Inc.

ILLEGAS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION. OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN DUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY SECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

SOYBEAN

'92M50'

In Testimonn Therest, I have hereunto set my hand and caused the seal of the Hunt Buristy Frotestion Office to be affixed at the City of Washington, D.C. this eighteenth day of July, in the year two thousand three.

Allast:

@@mJ.h.l

Commissioner Plant Variety Protection Office Agricultural Marketina Service Constant of Agriculture

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

protection certificate is to be issued ate is issued (7 U.S.C. 2426).

SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE	210 / 2001 110 110 10 10 10 10 10 10 10 10 10 1
APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE (Instructions and information collection burden statement on reverse)	Application is required in order to determine if a plant variety (7 U.S.C. 2421). Information is held confidential until certific

NAME OF OWNER Pioneer Hi-Bred Inter	national, Inc			2. TEMPORARY DESIGNAT EXPERIMENTAL NAME	ION OR	3. VARIETY NAME 92M50
4. ADDRESS (Street and No., or R.F.D. No. 7300 N. W. 62 rd Avenue P.O. Box 1004 Johnston, IA 50131	, City, State, and ZIP Code, and Coun	try)		5. TELEPHONE (include 515-254-2638	area code)	FOR OFFICIAL USE ONLY
-				6. FAX (include area code 515-253-2478	e)	FILING DATE
IF THE OWNER NAMED IS NOT A "PER: ORGANIZATION (corporation, partnership Corporate	SON", GIVE FORM OF , association, etc.)	8. IF INCORPO STATE OF I Iowa	DRATED, GIVE NCORPORATION	9. DATE OF INCORPORATI May 6, 1926	ON	1/28/03
10. NAME AND ADDRESS OF OWNER R Daria Schmidt, Ph. D. 7300 N.W. 62 rd Avenue P.O. Box 1004 Johnston ,IA 50131-1004	EPRESENTATIVE(S) TO SERVE IN T Steve Callestine, Exq 7100 N.W 62 rd Avenue P.O Box 1000 Johnston, IA 50131-1000	'HIS APPLICATIO	N. (First person listed will	receive all papers)		FILING AND EXAMINATION FEES: \$ 2705. DATE 1/28/03 CERTIFICATION FEE: \$ 43200 DATE 6/18/03
11. TELEPHONE (Include area code) 515-254-2638	12. FAX (Include area code) 515-253-2478	13. daria	E-MAIL .schmidt@pioneer.com		14. CROF Soybean	KIND (Common Name)
18. CHECK APPROPRIATE BOX FOR EACH reverse) a. X Exhibit A. Origin and Breedi	•	instructions on	CERTIFIED S		the Plant Vari	ETY BE SOLD AS A CLASS OF ety Protection Act) NO (If "no," go to item 22)
 b. X Exhibit B. Statement of Distinct c. X Exhibit C. Objective Descript d. X Exhibit D. Additional Descript 	ion of Variety tion of the Variety (Optional)		20. DOES THE O	WNER SPECIFY THAT SEED OF COMMITTEE AS TO NUMBER OF COMMITTEE AS TO NU	CLASSES?	YES NO
verification that tissue culture w repository)	e untreated seeds or, for tuber propag ill be depositied and maintained in an a \$2,705), made payable to "Treasurer o	approved public	IF YES, SPEC NUMBER 1, 2		IS?	YES NO REGISTERED CERTIFIED indicated on the reverse.)
22. HAS THE VARIETY (INCLUDING ANY HAF FROM THIS VARIETY BEEN SOLD, DISFOTHER COUNTRIES? YES IF YES, YOU MUST PROVIDE THE DATIFOR EACH COUNTRY AND THE CIRCU	OSED OF, TRANSFERRED, OR USE X NO OF FIRST SALE, DISPOSITION, TR	ED IN THE U.S. C RANSFER, OR US	23. IS THE VARIE PROPERTY F X YI IF YES, GIVE 6	ETY OR ANY COMPONENT OF RIGHT (PLANT BREEDER'S RIG	THE VARIETY SHT OR PATE	PROTECTED BY INTELLECTUAL NTJ? NO AND ASSIGNED
24. The owners declare that a viable sample of for a tuber propagated variety a tissue cult. The undersigned owner(s) is(are) the ownerd is entitled to protection under the prov. Owner(s) is(are) informed that false representations.	ure will be deposited in a public repose or of this sexually reproduced or tuber isions of Section 42 of the Plant Varie	sitory and maintail propagated plant ty Protection Act.	ned for the duration of the variety, and believe(s) th	e certificate.		
SIGNATURE OF OWNER DAWS 74. Schmic	U		SIGNATURE OF C	OWNER '		
NAME (Please print or type) Daria H. Schmidt		****	NAME (Please prin	nt or type)		
CAPACITY OR TITLE Director, Technology Integration and Association		<i>a</i> 3	CAPACITY OR TIT	rle		DATE

INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$2,705 (\$320 filling fee and \$2,385 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$320 for issuance of the certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvpo/pvp.htm

200300093

ITEM

18a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 21. See Section 83 of the Act for the Contents and Term of Plant Variety Protection.
- 22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 23. See Section 5.5 of the Act for instructions on claiming the benefit of an earlier filing date.
- 21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)
- 23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)
- U.S. Patent 4,940,835 issued to Shah et al. as per the Roundup Ready Gene in this variety

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the variety names proposed by contacting: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center--East, Beltsville, MD 20705. Telephone: (301) 504-8089.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this collection of information is (0581-0055). The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact the USDA's TARGET Center at 202-720-2060 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

ST-470 (04-01) designed by the Plant Variety Protection Office with WordPerfect 6.0a. Replaces ST-470 (02-99) which is obsolete.

Exhibit A. Origin and Breeding History of the Variety

200300093

Soybean Variety 92M50

Variety 92M50 evolved from a cross made in the spring of 1995 in Puerto Rico with the following parentage:

Parentage: A1900/9363*

*9363 is a commercial variety with the Roundup Ready (40-3-2) gene

Variety 92M50 is an F4-derived line which was advanced to the F5 generation by modified single-seed descent. The F5 progeny row of 92M50 was grown in a plant row yield trial in the summer of 1997. Subsequently, 92M50 has undergone five years of extensive testing and purification and has been observed by the breeder to be uniform and stable for all plant traits from generation to generation, with no evidence of variants. On the basis of yield, Phytophthora resistance, soybean cyst nematode resistance, and resistance to Roundup branded herbicides, variety 92M50 was assigned a commercial number.

The purification block was grown in 2000 Ohio in 200 subline rows, of which 15 were harvested. A quarter acre increase was grown in Chile in 2000/2001. Sixteen (16) acres of parent seed stock was grown in 2001. Four hundred forty-three (443) acres of parent and production seed were grown in the summer of 2002.

Exhibit B. Statement of Distinctness

200300093

Soybean Variety 92M50

Variety 92M50 is most similar to 92B62. Both varieties have white flowers, resistance to Race 3 of soybean cyst nematode, and resistance to Roundup branded herbicides. However, 92M50 has gray pubescence, yellow seed with buff hila, and multi-race resistance to *Phytophthora megasperma* as governed by the Rps1k gene whereas 92B62 light tawny pubescence, yellow seed with black hila, and does not carry a resistance gene at the Rps1 locus

Variety 92M50 is also similar to variety 92B47. Both varieties have multi-race resistance to *Phytophthora megasperma* as governed by the Rps1k gene and resistance to Roundup branded herbicides. However, 92M50 has white flowers,gray pubescence, yellow seed with buff hila, and resistance to Race 3 of soybean cyst nematode whereas 92B47 has purple flowers, light tawny pubescence, and yellow seed with brown hilia and is not resistant to Race 3 of soybean cyst nematode.

Variety 92M50 is also similar to AG2501 from Asgrow (Monsanto). Both varieties have gray pubescence, multi-race resistance to *Phytophthora megasperma* as governed by the Rps1k gene, and resistance to Roundup branded herbicides. However, 92M50 has white flowers, yellow seed with buff hila, and resistance to Race 3 of soybean cyst nematode whereas AG2501 has purple flowers, yellow seed with imperfect black hila, and is not resistant to Race 3 of soybean cyst nematode.

Form Approved - OMB No. 0581-0055

the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. B control number for this collection of information is (0581-0055). The time required to complete this information collection is estimated to average 30 minutes per response, including the time for tructions, searching existing data ources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

artment of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual nd marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, c.) should contact the USDA's TARGET Center at 202-720-2600 (voice and TDD).

plaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326 W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 DD. USDA is an equal opportunity provider and employer.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

EXHIBIT C (Soybean)

OBJECTIVE DESCRIPTION OF VARIETY
SOVREAN (Chaing max (I.) Marr.)

			SOYBE	AN (G	ycine max (L.) Me	гг.)	
NAME OF APPLICANT(S) Pioneer Hi-Bred, Internation							FOR OFFICIAL USE ONLY
ADDRESS (Street and No. o		! Zip Cod					PVPO NUMBER
7200 62nd Avenue P.O Box 1004 Johnston, IA 50131-1004			ti e				200300093 VARIETY NAME 92M50
					·		TEMPORARY OR EXPERIMENTAL DESIGNATION
DI CACO DE ADATI	INCORPLICATIONS C.	DEEDH IV. D				the warietal charac	otom of this variety in the hoves below
Place a zero in the first quantitative		9 9	or 0				cter of this variety in the boxes below. 9 or less respectively. Data for
plant characters chou	ld be based on a mini	mum of 100 pla	nts. Compa	rative dat	ta should be determine	ed from varieties e	ntered in the same trial. Royal
Horticulutral Society							
Please answer all ques	stions for your variety	; lack of respo	nse may dela	y progres	ss of your application.		
A. MORPHO Seed Shape	LOGY			· · · · · · · · · · · · · · · · · · ·			
2 1=5	Spherical W, L/T, and T/W	ratios < 1.2)			pherical - Flatteno ' ratio > 1.2; L/T r		
	Elongated Tratio . 1.2; T/W	ratio < 1.2)			longate - Flattene ratio > 1.2;T/W ra		
Seed Coat Cole	or:	•					
1	1 = Yellow	2 = Green	3 =	Brown	4 = Black	5 = Other	
Seed Coat Lust	ter:			4		(Please S	pecify
2	1 = Dull	2 = Shiny					
Seed Size:							
14.2	grams/100 seeds	. * •					
Hilum Color:	vii						
1	1 = Buff	2 = Yellow		Brown	4 = Gray	5 = Imper	rfect Black
	6 = Black	7 = Other	(Please Sp	pecify)			

A. MORPHOLOGY (Continued)

Cotyledon Color:

1 = Yellow

2 = Green

200300093

Seed Protein Peroxidase Activity:

$$1 = Low$$

Hypocotyl Color:

1

1 = Green ('Evans' or 'Davis') 2 = Green with Bronze Bands below Cotyledons ('Woodworth' or 'Tracy')

3 = Light Purple below Cotyledons ('Beeson' or 'Pickett 71') 4 = Dark Purple extending to unifoliolate leaves ('Hodgson', 'Coker', or

Leaflet Shape:

1 = Lanceolate

2 = Oval

3 = Ovate

4 = Other (Please Specify)

Flower Color:

1

1 = White

2 = Purple

3 = White with a Purple Throat

Pod Color:

2

1 = Tan

2 = Brown

3 =Black

Pubescence Color:

1

1 = Gray

2 = Brown (Tawny)

3 =Light Tawny

Plant Habit:

3

1 = Determinate

2 = Semi - Determinate

3 =Indeterminate

4 =Intermdeiate

Maturity Group:

05

1 = 000

11 = VIII

2 = 00

3 = 0

4 = I

 $5 = \Pi$

6 = III

7 = IV 12 = IX 8 = V13 = X

9 = VI 14 = XI

10 = VII 15 = XII

Maturity Subgroup:

5

Please enter a value from 0 - 9

B. DISEASE REACTION

0 = Not Tested

1 = Susceptible

2 = Resistant

3 = Tolerant

Bacterial

0

Bacterial Pustule (Xanthomonas campestri pv. glycines (Nakano) Dye)

1

Bacterial Blight Pseudomonas syringa pv. glycinea (Coerper) Young, Dye, and Wilkie)

0

Wildfire Blight Pseudomonas syringa pv. tabaci (Wolf Foster) Young, Dye, Wilkie)

B. DISEASE REACTION	(Continued)	0 = Not Teste	d 1 = Sus	sceptibl	2 = Res	istant	3 = T	olerant	
Fungal									
1 Brown Spot (Septo	ria glycines _{Hemn}	ıi)				2 0	n z	000	n n
Frogeye Leaf Spot	(Cercospora sojii	ıa Hara)					w w	o w w	200
O race 1	0 race 2		0	race 3	3		0	race 4	
0 race 5	0 race 6			Othe	(Please S _i	pecify)			4 . 4 .
0 Target Spot (Coryno	espora cassiicola	(Berk. Curt.) W	/ei)						
0 Downey Mildew (Per	ronospora trifolio	rum var. manch	<i>uric</i> (Naun	ı.) Syd. e	x Gäum)			4	
O Powdery Mildew (Mil	icrosphaera diffu	sa Cke. and Pk.))						
2 Brown Stem Rot (P	hialophora grega	ta (Allington C	hamberlain]) W. Gar	ns.)				
O Stem Canker (Diapo	orthe phaseolorus	n (Cke. and Ell.)) Sacc. var	caulivora	Athow ar	d Caldwe	1		
Pod and Stem Blight	(Diaporthe pha	seolorum (Cke. :	and Ell.) Sa	cc. var <i>s</i>	ojae (Lehn	nan) Wehr	n		
0 Purple Seed Stain	(Cercospora kiku	chii (T. Matsu.	and Tomoy	asu) Gai	rdener)			· .	
1 Rhizoctonia Root Ro	t <i>(Rhizoctonia</i> s	olani Kühn)							
Phytophthora Root Rot (Phyto	ophthora megasp	erma Drechs. f.	sp <i>glycine</i>	a (Kuan	Erwin))				
0 race 1 0	race 8	0 race	15	0	race 22				
0 race 2 0	race 9	0 race	16	0 ,	ace 23				
2 race 3 0	race 10	0 race	l <i>7</i>	0 ,	ace 24				
2 race 4 0	race 11	0 race	18	1 r	ace 25		**		
0 race 5 0	race 12	0 race	19	0 r	ace 26				
0 race 6 0	race 13	0 race2	0	(Other (Pla	ease Specif	ÎV)	•	
2 race 7 0	race 14	0 race 2	21	L			* . · *		
1 Bud Blight (Tobacco	Ringspot Virus)					·			
1 Yellow Mosaic (bean	Yellow Mosaic V	irus)				•			

B. DISE	CASE REACTIONS	(Continued) $0 = N$	ot Tested	1 = Susceptible	2 = Resistant	3 = Tolera	nt
Fungal	.*						
1	Cowpea Mosaic (Cowp	ea Chlorotic Virus)					
1	Pod Mottle (Bean Pod I	Mottle Virus)			2	0030	009
1	Seed Mottle (Soybean M	Aosaic Virus)					
Nemato	de						
•	n Cyst Nematode <i>(Hetero</i>	odera glycines Ichinoh	e)		,		
0		ace 4	race 9				
0	race 2 0 r	ace 5	race 14				. :
2	race 3 0 r	ace 6	Other	(Please Specify)			
0	Lance Nematode (Hop	loaimus columbus She	r)				
0	Southern Root Knot Ne	matode (Meloidogynd	e incognita	(Kofoid and Whi	ite) Chitwo		
0	Northern Root Knot Ne	matode (Meloidogynd	<i>hapla</i> Chi	twood)			
0	Peanut Root Knot Nema	ntode <i>(Meloidogyne arc</i>	enaria (Nea	ıl) Chitwood)			
0	Reniform Nematode (R	otylenchus reniformu	Linwood a	nd Olivera)			
0	Javanese Nematode (Me	eloidogyne javanica (T	reub) Chit	wood)			
	Other Nematode (Pleas	se Specify)	-				
C. PHYS	SIOLOGICAL RESP	ONSES 0 = No	t Tested	1 = Susceptible	2 = Resistant	3 = Tolerai	nt .
1	Iron Chlorosis on Calcar	reous Soil				· · · · · · · · · · · · · · · · · · ·	
0	Phosphorus		Oth	er <i>(Please Speci</i> j	fy)		
0	Boron						
0	Aluminu						•
0	Salt						
	Proposit						

	ECT REACTIONS		0 = Not Tested	1 = Susceptible	2 = Resistant	3 = Tolerant
Fungal						
0	Mexican Bean Beetle (E	pilachna variv	estis Mulsant)			
0	Potato Leaf Hopper (En	ipoasca fabae	(Harris))		20030	0033
0	Other (Please Specify)					
E. HER	RBICIDE REACTION	S	0 = Not Tested	1 = Susceptible	2 = Resistant	
0	Metribuzin					
0	Bentazone					
1	Sulfonylurea					
2	Glyphosate					
0	Glufosinate					
0	Pendimethalin					
0	Other (Please Specify)			·		
F. TRA	NSGENIC COMPOSI	TION		·		
	evelopment of the subject v noval of genetic material fr			f genetic material : Yes	from an organism	n other than a soybean,
If yes, plea	ase complete the following	infomation req	uests*. Use add		•	
1. Please s	state the vector's name:					
2. Please s	state the vector component	s:				
3. Please o	describe the genetic materi	al successfully	transferred into	the subject variet	y:	
4. Please o	describe the insertion prote	eol:				
the "Trans details of t	erature citation(s) explaining sgenic Composition" portion the vector components and pment, Identification, and	on of this form insert element	. This section is are summarize	s fully addressed in ed in Figure 1 and	n the following pu Table 1 on page	ublication. Specific 1453. Padgette, S.R. et
G. BIOC	CHEMICAL MARKE	RS				
	cribe any biochemical infor e Sequences Repeats, Restr cessary.					

H. COMMENTS

200300093

Exhibit D. Additional Description of the Variety

200300093

Soybean Variety 92M50

In Exhibit C we have identified variety 92M50 as susceptible to bacterial blight, brown spot, pod and stem blight, rhizoctonia root rot, bud blight, yellow mosaic, cowpea mosaic, pod mottle and seed mottle.

This does not mean that variety 92M50 is any worse for these problems than other varieties of similar maturity. Rather, we do not consider 92M50 to be immune to these problems. Therefore, we have chosen to be conservative and have identified the line as "susceptible".

Variety 92M50 is a mid Group 2 variety. If Group 2 varieties are divided into tenths, the relative maturity of 92M50 is 2.5.

REPRODUCE LOCALLY. Include form number and edition date on		
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE	The following statements are made in 1974 (5 U.S.C. 552a) and the Paper	
EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to det certificate is to be issued (7 U.S.C. 2-confidential until the certificate is issued)	421). The information is held
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION	ed (7 0.3.0, 2420). 2. VARIETY NAME
Pioneer Hi-Bred International, Inc	OR EXPERIMENTAL NUMBER	92M50
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (include area code)	6. FAX (Include area code)
7300 N.W. 62 nd Avenue P.O. Box 1004 Johnston, IA 50131-1004	515-254-2638	515-253-2478
	7. PVPO NUMBER 2003	00093
8. Does the applicant own all rights to the variety? Mark an "X" in If no, please explain.	the appropriate block.	X YES NO
	·	
9. Is the applicant (individual or company) a U.S. National or a U.S	hanad company?	
If no, give name of country	. based company?	X YES NO
10. Is the applicant the original owner?	If no, please answer one of the foll	owing:
	NO	
		n/e/2
a. If the original rights to variety were owned by individual(s), is	s (are) the original owner(s) a U.S. Nation	al(s)?
<u>—</u>	s (are) the original owner(s) a U.S. Nation	al(s)?
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instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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